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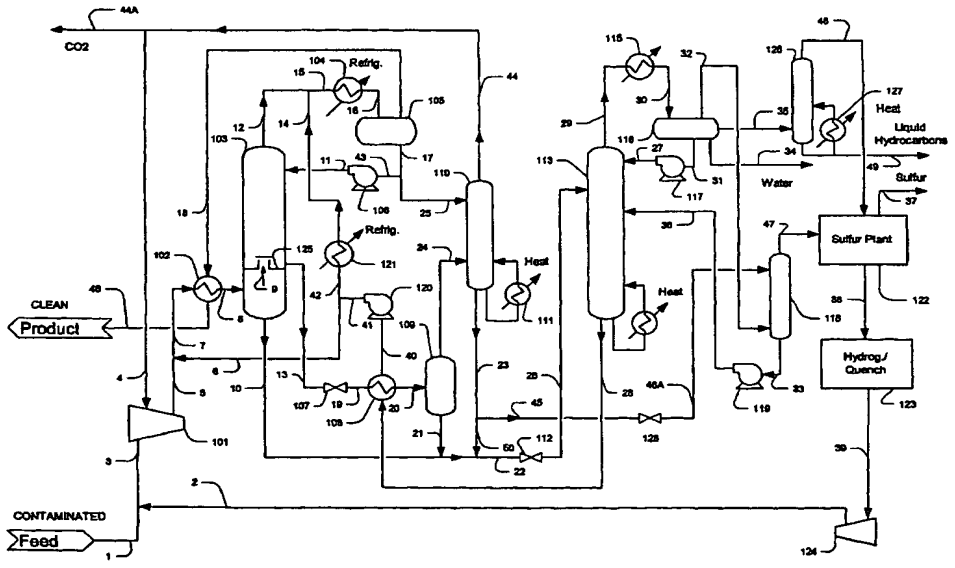
(54) Title: CONFIGURATIONS AND METHODS FOR ACID GAS AND CONTAMINANT REMOVAL WITH NEAR ZERO EMISSION




(57) Abstract: A gas (1) comprising hydrogen sulfide, carbon dioxide, and hydrocarbon contaminants is treated in a plant (Fig. 2) in a configuration in which waste streams are recycled to extinction. In especially preferred aspects of contemplated methods and configurations, hydrogen sulfide and other sulfurous components are converted to a sulfur product (37), carbon dioxide (44A) is separated at a purity sufficient for enhanced oil recovery or sale, and hydrocarbon contaminants are purified to a marketable hydrocarbon product (49).

WO 2004/058384 A1